

of trimethylolpropane diacrylate) was taken and 3 parts by weight per 100 g of resin (pwhr) of PERKADOX® BC from AKZO NOBEL and 3 pwhr of BC 500 inhibitor from SCPO, Société Chalonaise de Peroxydes Organiques, were added in an optimized manner (see Table 3).

IN THE CLAIMS:

Please cancel claims 2, 4, and 18 without prejudice or disclaimer.

Please amend claims 1, 3, 5-9, 11-17, 20-23 and 25-28 as follows.

Sub D1 cont. 1
A3
(Amended) A radially deployable flexible preform to form, after deploying, a tubular structure that is curable by polymerization after positioning it in a well or in a line and moulds to the shape thereof after curing, comprising in its constitution at least one resin of an unsaturated polyester resin or a vinylester resin comprising in its chemical formula at least one reactive multiple bond that has a dynamic viscosity of less than about 2500 mPa.s at a temperature of about 20°C to about 70°C, and is capable of subsequent reaction with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond positioned at one end or the other of the molecular chain and/or on a pendant group, wherein the preform contains at least one resin with a residual latent period, after storage at 22°C for a period of 20 days or more, of at least 3 hours at a temperature of about 10°C to about 90°C.

Sub D1 cont. 4
A4
5. (Amended) A flexible preform according to claim 1, wherein the resin comprises at least one polymerisable oligomer and/or at least one monomer comprising at least one multiple bond in their chemical formulae, wherein the monomer is a vinyl, an acrylic, a methacrylic, an allyl or a maleic compound.

Sub D1 cont. 5
A5
5. (Amended) A flexible preform according to claim 1, wherein the resin comprising at least one reactive multiple bond is an unsaturated polyester resin synthesized from at least one saturated or unsaturated polyol, and at least one saturated or unsaturated dibasic acid or anhydride, at least one of these compounds being an unsaturated compound.

6. (Amended) A flexible preform according to claim 5, wherein the polyol used to

Sub D1 cont.
synthesize the unsaturated polyester is a butylene glycol, a neopentyl glycol, a neopentyl glycol substituted by at least one halogen, a trimethylpentanediol, a 1,4-cyclohexane-dimethanol, a heavy diol obtained from bisphenol A, a bisphenol F, a bisphenol AF, an oxyalkylated bisphenol comprising at least one halogen on the aromatic nucleus/nuclei, an above product wherein the aromatic nucleus/nuclei is/are at least partially hydrogenated, a heavy novolac alcohol, or a cresol-novolac cresol.

7. (Amended) A preform according to claim 5, wherein the anhydride or an acid used to synthesize the unsaturated polyester is a maleic anhydride, a maleic acid, a fumaric acid, an itaconic acid, a citraconic acid, a cyclanic acid obtained from a hexahydrophthalic anhydride, an isophthalic acid, a terephthalic acid, a tetrahydrophthalic anhydride, a methylnadic anhydride, a hexahydrophthalic anhydride, or a halogenated phthalic anhydride.

8. (Amended) A flexible preform according to claim 1, wherein the resin comprising at least one reactive multiple bond is a vinylester resin synthesized from a compound comprising at least one diepoxy compound on at least one unsaturated acid.

9. (Amended) A flexible preform according to claim 8, wherein the unsaturated acid is an acrylic acid, a methacrylic acid, or a diepoxy compound of a bisphenol A, a bisphenol F, a bisphenol AF, a novolac resin or a cresol-novolac resin.

Sub D1 cont.
11. (Amended) A preform according to claim 3, wherein the polymerisable oligomer and/or monomer comprising at least one multiple bond is a styrene, a trimethylolpropane triacrylate, a divinyl benzene, a butyl acrylate, a tert-butyl acrylate, a 2-ethylhexyl acrylate, a methyl acrylate, an ethyl acrylate, a hydroxypropyl acrylate, a 2-hydroxyethyl acrylate, a methyl methacrylate, an ethyl methacrylate, a monochlorostyrene, a dichlorostyrene, a monobromostyrene, a dibromostyrene, a vinyl toluene, a vinyl acetate, a diallyl ortho-phthalate, a diallyl isophthalate, a triallyl cyanurate, a triallyl carbonate, a diallylglycol carbonate, a bisphenol A, F or AF acrylate or dimethacrylate, a dioxyalkylated or polyoxyalkylated bisphenol

Sub D1
cont. 1
A, F or AF diacrylate or dimethacrylate in which the alkyl group(s) contains 2 to 24 carbon atoms.

Sub D1
cont. 1
12. (Amended) A flexible preform according to claim 1, containing at least one resin comprising in its chemical formula at least one multiple bond and at least one monomer not forming part of the sub family of polymer vinyl esters, or in the form of oligomers or pre-polymers of a bisphenol A derivative diacrylate oligomer, an epoxydimethacrylate oligomer diluted with trimethylolpropane diacrylate, or a diethoxylated dimethacrylate bisphenol A derivative.

Sub D1
cont. 1
13. (Amended) A flexible preform according to claim 1, wherein the resin polymerization reactions are initiated as a function of the service temperatures employed for the flexible preform by selecting at least one suitable initiator of an organic peroxide.

14. (Amended) A flexible preform according to claim 1, wherein the resin polymerization reactions are initiated as a function of the service temperatures employed for the flexible preform by at least one initiator comprising azoisobutyronitrile.

15. (Amended) A flexible preform according to claim 1, wherein the resin polymerization reactions are initiated as a function of the service temperatures employed for the flexible preform by at least one initiator of a sulfur or a potassium persulfate with molecular formula $K_2S_2O_8$.

16. (Amended) A flexible preform according to claim 13, wherein the resin polymerization reactions are initiated as a function of the service temperatures employed for the flexible preform by at least one initiator associated with at least one accelerator comprising a cobalt salt and/or a tertiary amine.

17. (Amended) A flexible preform according to claim 13, wherein the resin

Sub D1
cont.
26

polymerization reactions are initiated as a function of the service temperatures employed for the flexible preform by at least one initiator associated with at least one polymerization inhibitor comprising a hydroquinone or tertbutyl catechol.

Sub D1
cont.

20. (Amended) A flexible preform according to claim 1, wherein the resin comprising at least one reactive multiple bond in its formula that can subsequently react with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond located at one end or the other of the molecular chain and/or in a pendant group.

21. (Amended) A preform according to claim 1, wherein the resin comprising at least one reactive multiple bond in its formula that can subsequently react with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond located at one end or the other of the molecular chain and/or in a pendant group is selected from the group formed by resins that enable manual, mechanical or pressure or vacuum injection impregnation of fibrous supports comprising at least one glass fiber, basalt fiber, carbon fiber, ceramic fiber, natural fiber, synthetic fiber, or metal fiber constituting the reinforcement of said flexible preform.

22. (Amended) A preform according to claim 1, wherein the resin comprising at least one reactive multiple bond in its formula that can subsequently react with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond located at one end or the other of the molecular chain and/or in a pendant group is a non aggressive chemical resin.

23. (Amended) A preform according to claim 1, wherein the resin comprising at least one reactive multiple bond in its formula that can subsequently react with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond located at one end or the other of the molecular chain and/or in a pendant group is a resin with a polymerization temperature compatible with the heat resistance of the polymer, an elastic skin,

Sub D.1
cont. 1
and the at least one component constituting the preform walls.

Sub D.1
cont. 1
25. (Amended) A preform according to claim 1, wherein the resin comprising at least one reactive multiple bond in its formula that can subsequently react with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond located at one end or the other of the molecular chain and/or in a pendant group is a resin forming, after polymerization in combination with a fibrous support, a composite with a petroleum absorption of less than 3% by weight at a temperature of about 90°C.

26. (Amended) A perform according to claim 1, wherein the resin comprising at least one reactive multiple bond in its formula that can subsequently react with compounds comprising in their constitution at least one terminal reactive multiple bond or a reactive multiple bond located at one end or the other of the molecular chain and/or in a pendant group is a resin forming a composite having a water absorption of less than 4% by weight at a temperature of about 90°C after polymerization in combination with a fibrous support.

27. (Amended) A preform according to claim 1, further comprising at least one flow regulator.

28. (Amended) A flexible support according to claim 27, wherein the flow regulator is a polystyrene, a polyvinylacetate, a polymethylmethacrylate or a polycaprolactame.

Please add new claim 29 as follows.

Sub D.1
cont. 1
29. A preform according to claim 7, wherein the halogenated phthalic anhydride is tetrachlorophthalic anhydride, tetrabromophthalic anhydride, or hexachloro-endomethylene tetrahydrophthalic anhydride.--